

47. (Amended) A corrosion-resistant chemically continuous composite conduit having an inside and an outside, said conduit comprising from the outside to the inside:

- a) a first layer comprising a porous, mineral-containing substrate;
- b) a second layer comprising a thermosetting material, said thermosetting material containing a silane and a curing agent comprising isocyanate groups;
- c) a third layer comprising a thermoplastic material, said thermoplastic material impregnated with a reactive resin;

wherein an interface between said first and second layers comprises covalent bonds between said silane in said second layer and minerals in said first layer;

wherein an interface between said second and third layers comprises covalent bonds between said isocyanate groups of said second layer and said reactive resin of said third layer; and

wherein said first second and third layers are bonded together with sufficient shear strength to transmit and distribute loads between said layers.

51. (Amended) The conduit of claim 47, wherein said reactive resin is 2-propenoic acid, 2-hydroxypropyl ester, polymer with chloroethene and ethenyl acetate.

55. (Amended) The method of claim 54, wherein said conduit comprises a cementitious, ceramic, clay, brick, or metallic substrate.